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(71) Applicant (*for BB only*): **GIRGIS, Sami, E. [US/US]**  
Apartment 4, 22-73 41st Street, Astoria, NY 11105 (US).

(71) Applicant and  
(72) Inventor (*for all designated States except BB*): **AW-DALLA, Essam, T. [EG/EG]**; 68 Suez Canal Road, Moharrem Bey, Alexandria (EG).

(74) Agents: **HANDLER, Edward, J. et al.**; Kenyon & Kenyon, One Broadway, New York, NY 10004 (US).

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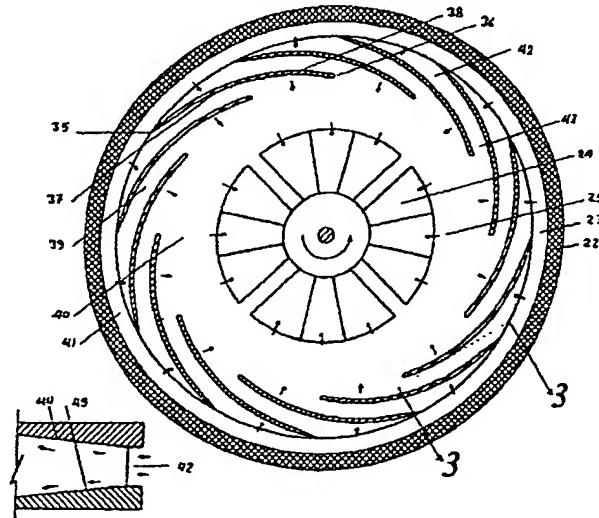
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(54) Title: ROTARY RAM FLUID PRESSURIZING MACHINE

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(57) Abstract: The present invention relates to rotary ram fluid pressurizing machines utilizing the phenomenon of ram pressure rise, which occurs when a fluid is rammed into a suitably shaped diffuser moving at a high speed to develop a pressure gradient between two points across a fluid stream. In an exemplary machine, vanes (30) attached to rotary disks (28, 29) form channels (39) which act as diffusers when the disks are rotated to move and pressurize fluid rapidly inwardly or radially outwardly. Various embodiments for pressurizing, pumping or evacuating compressible or incompressible fluids are disclosed.